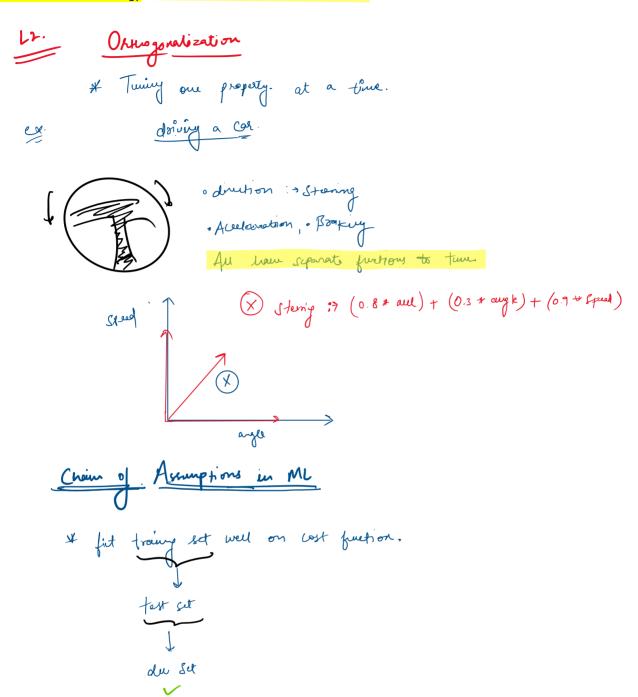
Week 1 - ML strategy (1)

13 June 2020 11:14

Introduction to ML strategy



Setting up your goal

Clarifier Previous Recall

A 95% 90%

B 987. 85%.

out of examples rewginzed, what "1. are crefully cets. what "to of cutual cots are commenty recognized. What to choose? et Any of Proission and rush? Harmone Mean A 95 ms. 92% B 1500 mg. 95% C nominize A mining time. N metry :-1 optimising metrics (N-1) satisficy nutries. Train der/ Test distributions Cot Clamfier. du India · Mexico Carreda · Japan Chines Spains

Jest

Structuring ML Projects Page 2

at Dow Test and test set swould come from Some distribution.

14- Size of Der/text Sets

Train : 6070 dus /cv :- 2070 test :- 2070

for 1000,000 examples -

Train 987.

Size of Test Set

* Set your test size by evough to give high confidence in the Owall performere of System.

When to change der test sets and medies

Metrie - Clampiation error pongrapiu Juopey

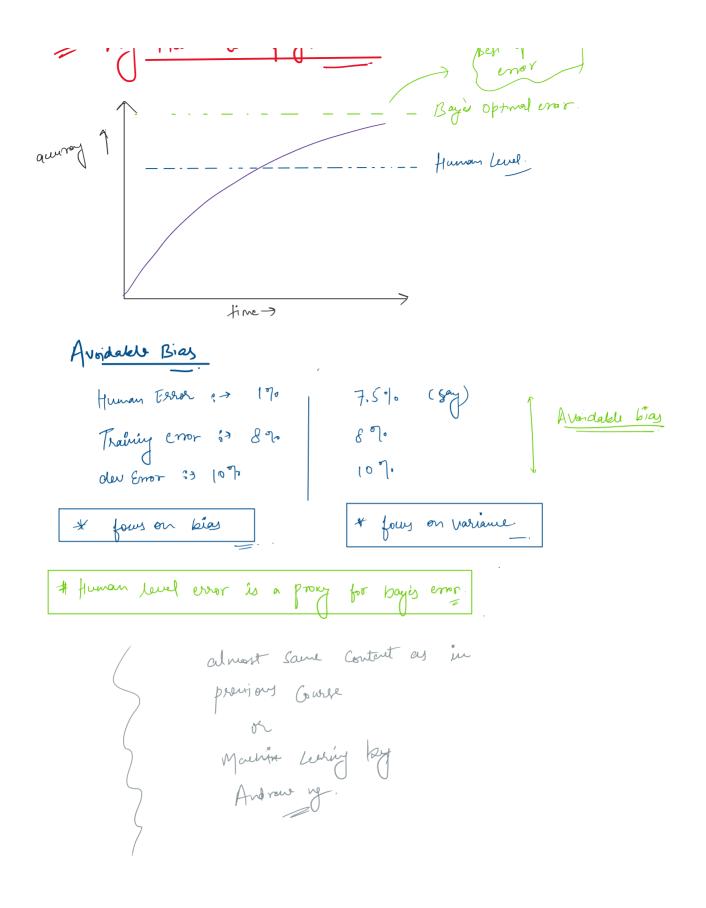
Algorithm A - 3% error pongrapiu Juopey

(Algorithm B > 5% essor. ______) p-tys.

Missclamfication.) <

Comparing to human level performance

Why Hunon level performence



Week 2 - ML strategy (2)

Error Analysis

LI. Conging Out earor Analysis.

Cat clamifor - 5% ever / 95%, auwray

- · Get 100 ~ mislabelled der let examples.
- · Court up how many are deg.
- · Court errory.

Bis and Varionce with mismatched date distribution

A some Human got ~ 1% error.

Training error :> 17.

Der Emar :- 10%



Various Enor.

Explain almost same as town feet der split in 2rd course.

date mismetch problem:

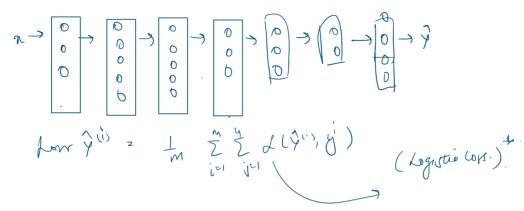
- · Carry out named analysis and try to industried the different byter sets.
- · Make train set more similar.

Learn from Mulipu Task.

When trough leaving makes saye :7

When trough leating makes saye :7 Front (A) -1 (B) { They have Some input n, A has more date than B.}

Muri-Tark Learny. Stout of Simentaneously



I Trans a set of tapk that could being I from lowing several low land

End-to-End depleasuing

Speech Recognition (ex) -> feeting -> phoneumy -> 1009ds -> 1/ (0 بالهنده) eng-to end dup rearring

Whether to the End-to-end dep. learning

PLOS

- · Let The data speak
- her hard design components needed

Needs large quant of data.

Excurdes potentially usual hand design components.